

MATERIAL SAFETY DATA SHEET

(This MSDS complies with 29 CFR 1910.1200)

Product Name: **BC5105** Epoxy Hardener
Product Class: Amine Curing agent
Issue Date: 04/19/07
Approved By: Thomas E. Evans

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24 HOUR EMERGENCY NO. 1-800-424-9300 CHEMTREC

SECTION 1 - HAZARDOUS INGREDIENTS

Chemical Name	Wt. % (optional)	OSHA (PEL)	ACGIH (TLV)	CAS NO.
Triethylene Tetramine (TETA)		<i>N.E.</i>	<i>N.E.</i>	0112-24-3
1,3 Bis (Aminomethyl) Cyclohexane		<i>N.E.</i>	<i>N.E.</i>	2579-20-6
1-Methyl Imidazole		<i>N.E.</i>	<i>N.E.</i>	00616-47-7
1,8 Diamino P Methane		<i>N.E.</i>	<i>N.E.</i>	0080-52-4

SECTION 2 - PHYSICAL DATA

Boiling Point:	>400 °F	Specific Gravity (H2O=1):	0.99
Vapor Pressure (mm Hg):	<i>N.D.A.</i>	Vapor Density (Air=1):	<i>N.D.A.</i>
Solubility in Water:	Moderate	Reactivity in Water:	Negligible
Appearance and odor:	Amber color; Amine odor		

SECTION 3 - FIRE AND EXPLOSION HAZARD

Flash Point:	>225 °F	Flammable Limit:	LEL: <i>N.E.</i>
Method Used:	PMCC	(In Air % by volume)	UEL: <i>N.E.</i>
Auto Ignition Temperature:	<i>N.A.</i>		
Extinguishing Media:	Carbon Dioxide, dry chemical, chemical foam, water spray.		
Fire & Explosion Hazards:	Decomposition and combustion products may be toxic.		
Fire Fighting Procedures:	Fire fighters must wear self-contained breathing apparatus to protect against toxic and irritating vapors. Full protective clothing should also be worn.		

SECTION 4 - REACTIVITY DATA

Stability (Conditions to avoid):	Stable.
Incompatibility:	Strong Acids, Peroxides and other oxidizing agents.
Hazardous Decomposition Products:	Carbon monoxide from incomplete burning.
Hazardous Polymerization (Materials to avoid):	Will not occur.

***N.E.* - Not Established *N.D.A.* - No Data Available *N.A.* - Not Applicable**

SECTION 5 - ENVIRONMENTAL AND DISPOSAL INFORMATION

- Spill: Using recommended protective equipment, take up with absorbent material. dike to contain. Flush area with 5% acetic acid.
- Disposal: Use approved incineration in accordance with federal, state and local environmental regulations. Material must be disposed of in approved landfill.

SECTION 6 - FIRST AID AND HEALTH INFORMATION

- | Routes of Entry | FIRST AID |
|-----------------|--|
| Inhalation: | Remove victim to uncontaminated area, administer oxygen if necessary. Seek medical attention. |
| Eyes: | Flush with water for 15 minutes. Seek medical attention. |
| Skin: | Remove contaminated clothes and wash affected areas with soap and water. Seek medical attention. |
| Ingestion: | DO NOT induce vomiting. Drink large quantity of milk. Seek medical attention. |

EFFECTS OF OVEREXPOSURE

- Acute: Irritation, dermatitis, allergic skin reactions.
- Chronic: Repeated, excessive exposure may cause sensitization.

Potential Carcinogen: NTP (National Toxicology Program): No IARC (Monographs): No OSHA: No.

SECTION 7 - SPECIAL HANDLING & STORAGE PRECAUTIONS

Should be stored in a ventilated storage area between 70-80°F. Avoid excessive temperatures. Do not store in direct sunlight. Keep away from oxidizing agents and open flame.

SECTION 8 - SPECIAL PROTECTION INFORMATION

- Respiratory Protection: Use NIOSH approved respirator with organic vapor cartridges.
- Ventilation: Local exhaust.
- Protection: Fitted chemical goggles, or safety glasses.
- Personal Protection: Rubber gloves, boots and rubber apron to avoid skin contact. Contaminated clothing or equipment should be cleaned or disposed of, after use.
- Hygienic Practices: Educate and train employees on safe use of product. Shower and eye wash station should be available.

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.